

## **AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) An apparatus for implementing a request regarding a digital certificate in a distributed processing system, the apparatus comprising:

a request implementation software that implements a response to the request regarding the digital certificate in response to a propagated event object;

at least one reception bean, communicatively coupled to the request implementation software and the distributed processing system, that generates an event object in response to receiving the request to generate a digital certificate from the distributed processing system; and

at least one two-way bean, communicatively coupled to the request implementation software and the distributed processing system, that generates a second event object depending on whether a request to the two-way bean is received in a forward flow or reverse flow direction;  
where the request implementation software is instantiated in a real time executable object-oriented language.

2. (Previously Presented) The apparatus of claim 1, the at least one reception bean comprising a plurality of reception beans, and each of the plurality of reception beans generating an event in response to requests of differing formats.

3. (Original) The apparatus of claim 1, the request implementation software comprising at least one bean.

4. (Original) The apparatus of claim 3, the at least one bean comprising a pipe bean.

5. (Original) The apparatus of claim 3, the at least one bean comprising a bean implementing a test on the request.

6. (Original) The apparatus of claim 3, the at least one bean comprising a bean that alters the request.

7. (Original) The apparatus of claim 3, the at least one bean comprising a bean that publishes information regarding the request.

9. (Original) The apparatus of claim 3, the at least one bean comprising a sink bean.
10. (Original) The apparatus of claim 3, the at least one bean comprising a client bean that propagates a request in a first format.
11. (Original) The apparatus of claim 10, the at least one bean comprising another client bean that propagates a request in a second format.
12. (Original) The apparatus of claim 3, the certificate generation software comprising a legacy software.
13. (Currently Amended) A method for implementing a request regarding a digital certificate in a distributed processing system, the method comprising:  
receiving the request to generate the digital certificate from the distributed processing system in an at least one reception bean;  
generating a reception event object in response to step of receiving;  
propagating the reception event object; and  
selectively implementing a response to the request regarding the digital certificate in response to a propagated event object in a two-way bean of a request implementation software, where the two-way bean generates a second event object depending on whether the propagated event object is received in a forward flow or reverse flow direction at the two-way bean;  
where the request implementation software is instantiated in a real time executable object-oriented language.
14. (Original) The method of claim 13, the step of receiving comprising: receiving requests in differing formats; and the step of generating further comprising generating reception events in response to each request received.
15. (Original) The method of claim 13, the request implementation software comprising at least one bean.
16. (Original) The method of claim 15, the at least one bean comprising a pipe bean.

17. (Original) The method of claim 15, the step of selectively implementing comprising testing a parameter of the request.
18. (Original) The method of claim 15, the step of selectively implementing comprising altering a parameter of the request.
19. (Original) The method of claim 15, the step of selectively implementing comprising publishing information regarding the request.
20. (Original) The method of claim 15, the at least one bean comprising a sink bean.
21. (Original) The method of claim 15, the step of selectively implementing comprising propagating a request in a first format.
22. (Original) The method of claim 21, the step of selectively implementing comprising propagating a request in a second format.
23. (Original) The method of claim 15, the certificate generation software comprising a legacy software.
24. (Currently Amended) A computer program product on a computer usable medium, the computer usable medium having a computer usable program embodied therein for implementing a request regarding a digital certificate on a distributed data processing system, the computer usable program including:
- instructions for receiving the request to regarding the digital certificate from the distributed processing system, the instructions for receiving instantiated in an at least one reception bean;
  - instructions for generating a reception event object in response to the instructions for receiving;
  - instructions for propagating the reception event object; and
  - instructions for selectively implementing a response to the request regarding the digital certificate in response to a propagated event object at a two-way bean depending on whether the

propagated event object is received in a forward flow or reverse flow direction at the two-way bean, the instructions for selectively implementing instantiated in a request implementation software; [[and]]

where the instructions for receiving the request are instantiated in a real time executable object-oriented language.

25. (Previously Presented) The computer program product of claim 24, the at least one reception bean comprising a plurality of reception beans, and each of the plurality of reception beans generating an event in response to requests of differing formats.

26. (Original) The computer program product of claim 24, the request implementation software comprising at least one bean.

27. (Original) The computer program product of claim 24, the at least one bean comprising a pipe bean.

28. (Original) The computer program product of claim 24, the at least one bean comprising a bean implementing a test on the request.

29. (Original) The computer program product of claim 24, the at least one bean comprising a bean that alters the request.

30. (Original) The computer program product of claim 24, the at least one bean comprising a bean that publishes information regarding the request.

31. (Original) The computer program product of claim 24, the at least one bean comprising a sink bean.

32. (Original) The computer program product of claim 24, the at least one bean comprising a client bean that propagates a request in a first format.

33. (Previously Presented) The computer program product of claim 24, the at least one bean comprising another client bean that propagates a request in a second format.

34. (Original) The computer program product of claim 24, the certificate generation software comprising a legacy software.

35. (Currently Amended) An apparatus for implementing a public key infrastructure in a distributed processing system, the apparatus comprising:

a plurality of beans, the beans communicatively coupled to one another and responsive to events generated by the plurality of beans; [[and]]

at least one of the plurality of beans comprising a pipe bean that propagates an event to another of the plurality of beans; and

at least one of the plurality of beans comprising a two-way bean that generates a second event object depending on whether a request to the two-way bean is received in a forward flow or reverse flow direction.

36. (Original) The apparatus of claim 35 further comprising a sink bean, the sink bean responsive to propagated events and consuming such propagated events.

37. (Original) The apparatus of claim 35 wherein the pipe bean passes the event to the another bean unaltered.

38. (Original) The apparatus of claim 35 wherein the pipe bean passes the event to the another bean in an altered format.

39. (Original) The apparatus of claim 35 further comprising a server bean, the server bean responsive to requests from the distributed processing system and generating events.

40. (Currently Amended) The apparatus of claim 35 further comprising a client bean, the client bean responsive to events from one or more [[the]] other beans and generating requests to the distributed processing system.

41. (Original) The apparatus of claim 35 further comprising a generation bean, the generation bean generating a digital certificate in response to an event.

42. (Original) The apparatus of claim 35 further comprising a publisher bean, the publisher bean publishing information in response to an event.

43. (Original) The apparatus of claim 35 further comprising a filter bean, the filter bean filtering events based upon a predetermined criteria.

44. (Currently Amended) An apparatus for implementing a public key infrastructure in a distributed processing system, the apparatus comprising:

a plurality of beans, the beans communicatively coupled to one another and responsive to events generated by the plurality of beans[[: and]] with the respective events generated by the plurality of beans subclassing from a base class event; and  
at least one two-way bean, communicatively coupled to the distributed processing system, where the two-way bean generates an event object depending on whether a request to the two-way bean is received in a forward flow or reverse flow direction.

45. (Original) The apparatus of claim 44 wherein the beans and events are written in a cross platform language.

46. (Original) The apparatus of claim 44 wherein the cross platform language is JAVA.

47. (Original) The apparatus of claim 44 wherein at least one of the beans is a publisher bean.

48. (Original) The apparatus of claim 44 wherein at least one of the beans is generator bean.

49. (Original) The apparatus of claim 44 wherein at least one of the beans is a server bean.

50. (Original) The apparatus of claim 44 wherein at least one of the beans is a client bean.